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Cassette Car Radio 22DC962/62E

Service
Service
Service

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ARCHIF
Cod. | Techn.

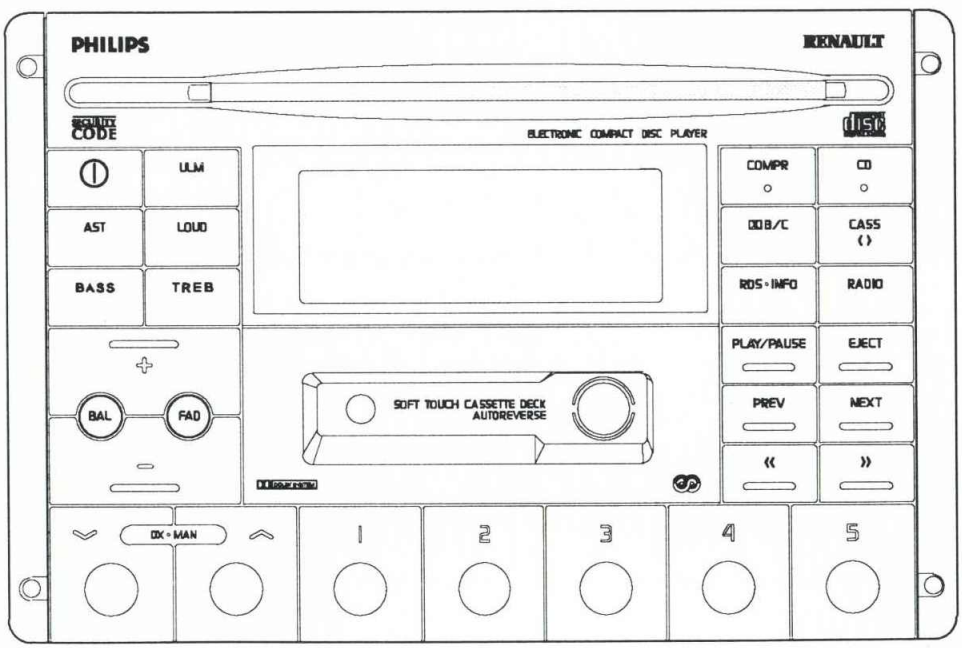
For repair instructions of the DC-Player see
ServiceManual of CMX200 Nr 4822 725 24151
For repair instructions of the cassette deck see
Service Manual of SCA 2.5 Nr 4822 725 23505

ServiceManual

12 V

CLASS 1
LASER PRODUCT

COMPACT disc DIGITAL AUDIO



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PHILIPS

PCS68 050

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Technical data :

Radio	FM 87.5 - 108 MHz , grid: 100KHz search, 50KHz manual MW 531 - 1611 KHz, grid: 9 KHz search, 1 KHz manual LW 144 - 288 KHz, grid: 1 KHz search, 1 KHz manual IF AM 10.7 MHz IF FM 10.7 MHz
Cassette	Deck SCA2.5 Soft Autoreverse 2x2 tracks Wow and Flutter < 0.3%
CD (DC982)	See specification of CD mechanism CMX200
Amplifier	Output power at D = 10%: 4 X 16W at 14.4V supply voltage Equalizer +10/-10dB ± 2dB Loudness 63Hz : 6dB -1/+2dB 1KHz : 0.5dB +2.5dB 10KHz : 4dB -2/+1dB

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ESD

WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

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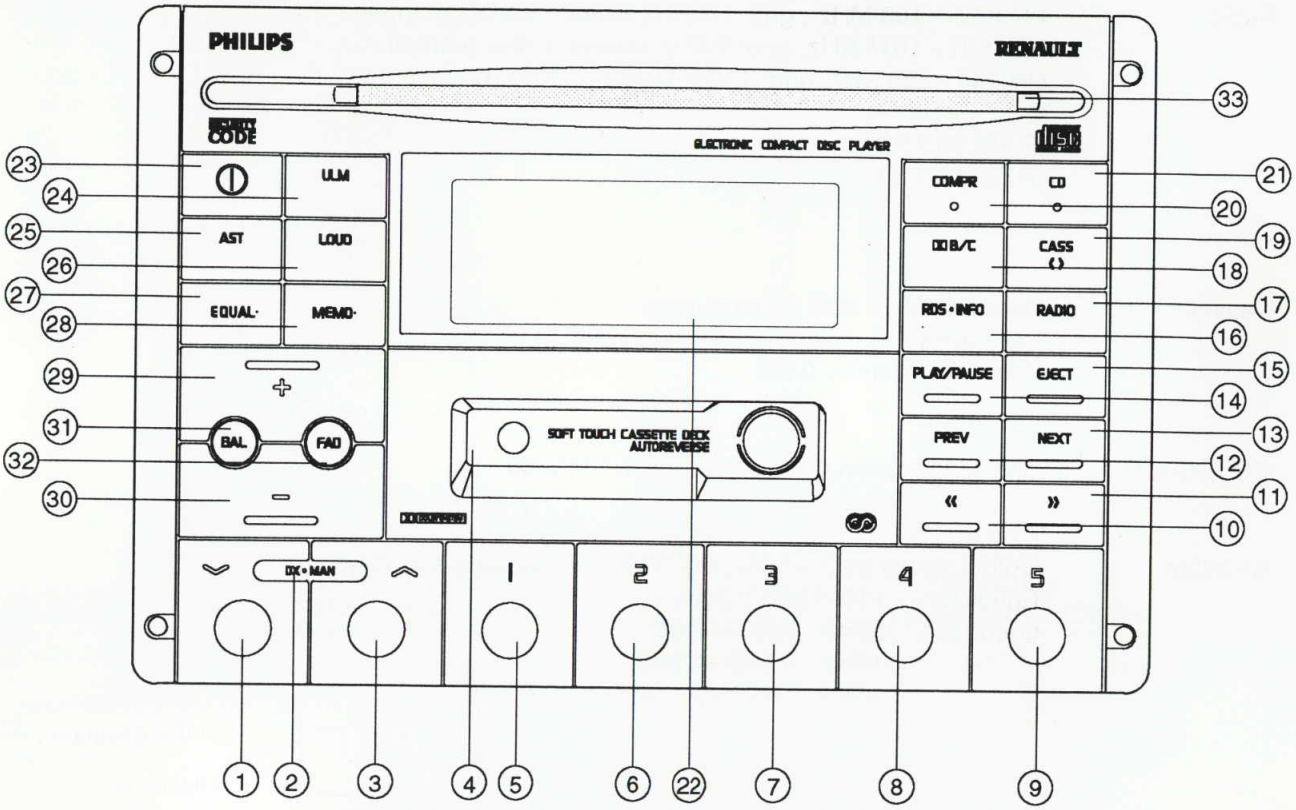
Controls



1	SEARCH DOWN	19	CASSETTE REVERSE
2	DX - MAN	20	COMPRESSION
3	SEARCH UP	21	CD MODE SELECTION
4	CASSETTE APERTURE + FLAP	22	DISPLAY
5 to 9	PRESETS	23	ON / OFF
10	FAST REWIND	24	BAND SELECTION
11	FAST FORWARD	25	AUTOSTORE
12	PREVIOUS	26	LOUDNESS
13	NEXT	27	EQUALIZER SELECTION
14	PLAY / PAUSE	28	MEMORISATION EQUALIZER
15	EJECT	29	VOLUME +
16	RDS . INFO	30	VOLUME -
17	RADIO MODE SELECTION	31	BALANCE SELECTION
18	DOLBY B - C	32	FADER SELECTION
		33	CD APERTURE / CD IN PLUG

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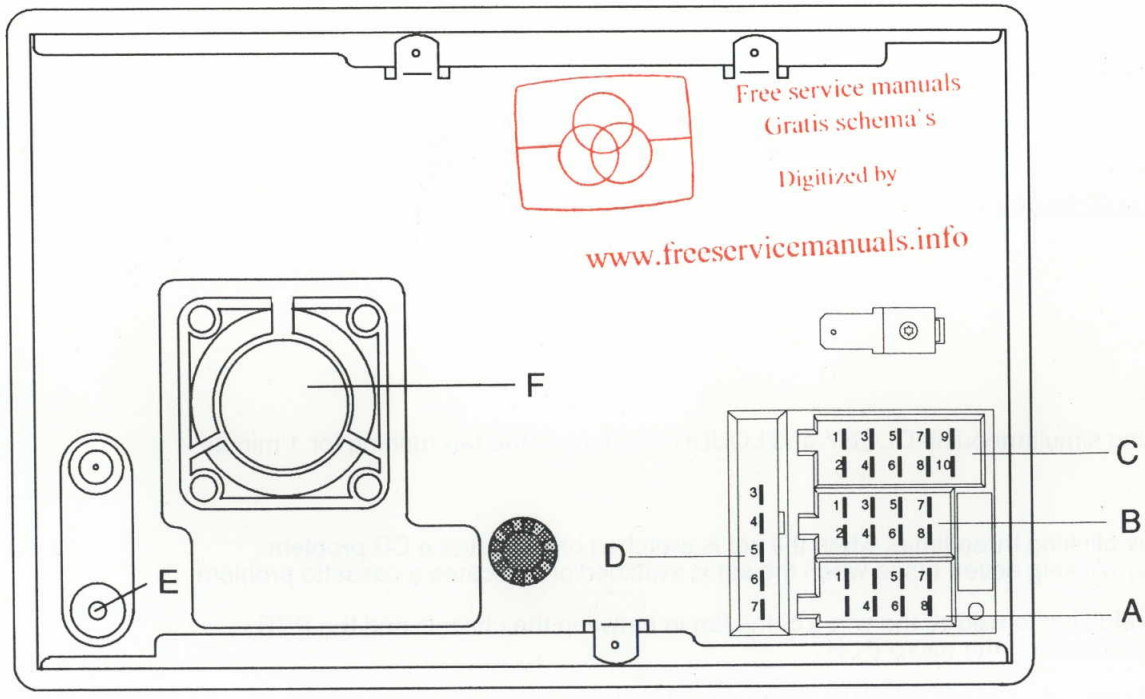

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A1	Head phone box status	CONNECTOR A POWER SUPPLY
A2	Lighting	
A3	Speach synthesis	
A4	Permanent supply	
A5	Aut aerial	
A6	Controlled illumination	
A7	Supply	
A8	Mass	

C3	Mass	CONNECTOR C REMOTE CONTROL
C4	Screening mass	
C5	Remote control	
C6		
C7		
C8		
C9		
C10		

B1	Rear right +	CONNECTOR B LOUDSPEAKERS
B2	Rear right -	
B3	Front right +	
B4	Front right -	
B5	Front left +	
B6	Front left -	
B7	Rear left +	
B8	Rear left -	

D3	Screening mass	CONNECTOR D REMOTE DISPLAY (NOT USED)
D4	Mass	
D5	Interruption	
D6	I^2C clock	
D7	I^2C data	

E	Aerial plug
F	Fan assy

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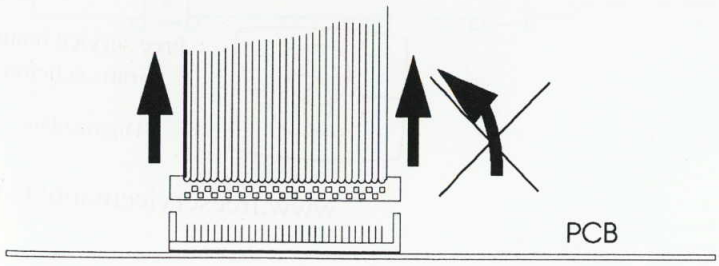
Servicing hints

Removing connectors



Fan test:

Pressing simultaneously DOLBY and LOUDNESS makes the fan running for 1 minute.

Repair

Display blinking three times when the set is switched on indicates a CD problem.
Display blinking seven times when the set is switched on indicates a cassette problem.

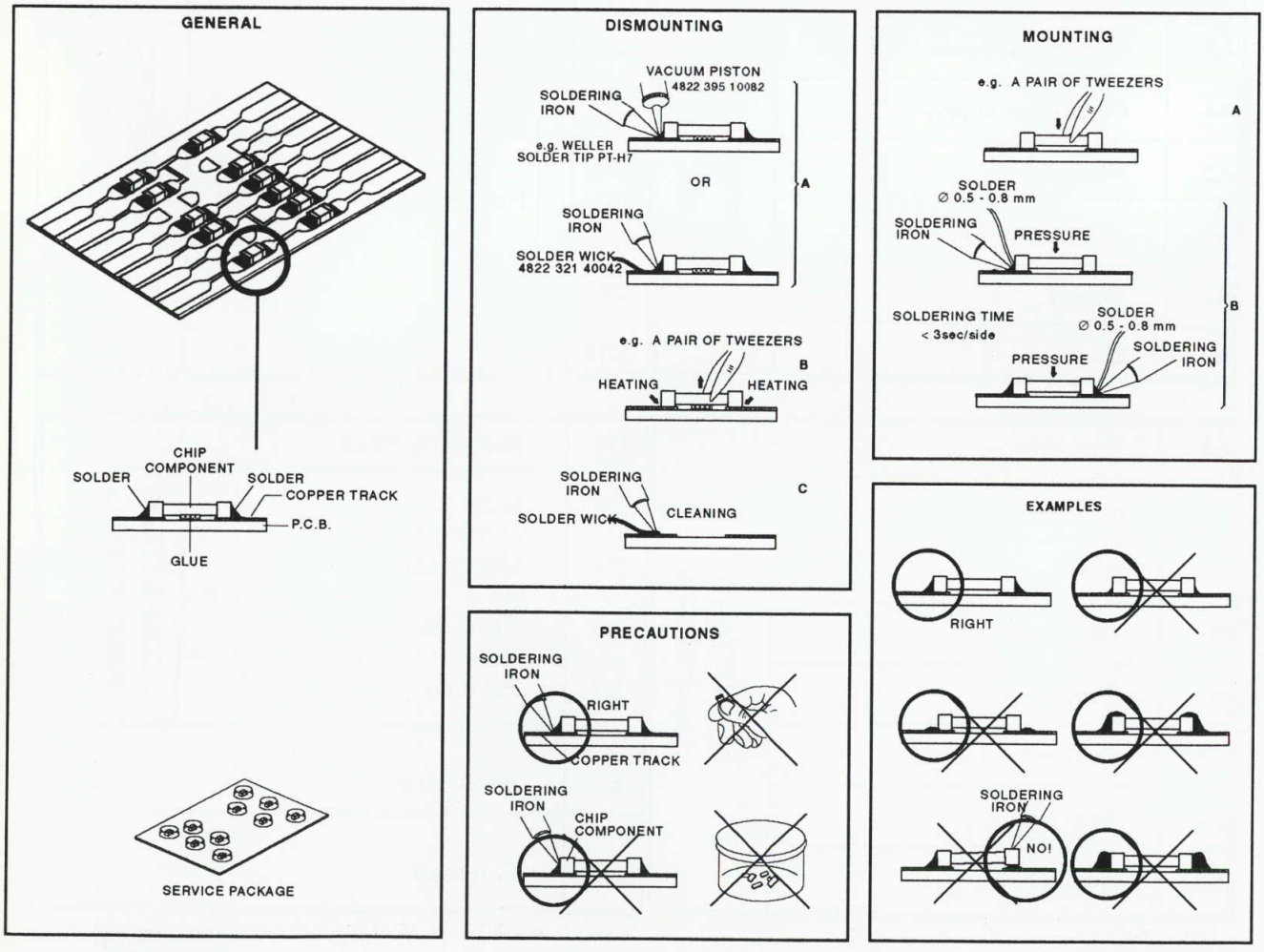
Be carefull not to wedge the wires of the fan in between the chassis and the PCB when remounting the micro PCB.

Be carefull, when remounting the front plate, that the LED's are in good position.

Do not forget to solder the mass between the chassis and the radio PCB when remounting it.

If the regulator item 4901 is to be changed, you must also check the 10Ω resistor item 3376.

HANDLING CHIP COMPONENTS



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22DC982/62E

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SECURITY CODE

ACTIVATING PROTECTION

POWER OFF. PRESS P5+
POWER ON UNTIL BEEP

↓

DISPLAY SHOWS 0000

↓

ENTER CODE

↓

PRESS P5 KEY UNTIL ♫
PROTECTION ACTIVATED
RADIO STARTS

↓

WHEN THE CODE IS ACTIVATED
DISPLAY SHOWS BRIEFLY CODE
WHEN THE SET IS POWERED ON

DEACTIVATING PROTECTION

POWER OFF.PRESS P5+
POWER ON

↓

DISPLAY SHOWS 0000

↓

ENTER CODE

↓

PRESS P5 KEY UNTIL ♫♫
PROTECTION DEACT
RADIO STARTS

ENTERING THE CODE

Example : 3752

DISPLAY SHOWS 0000

↓

PRESS "P1" KEY UNTIL DISPLAY
SHOWS 1st DIGIT OF CODE
3000

↓

PRESS"P2" KEY UNTIL DISPLAY
SHOWS 2nd DIGIT OF CODE
3700

↓

PRESS"P3" KEY UNTIL DISPLAY
SHOWS 3rd DIGIT OF CODE
3750

↓

PRESS"P4" KEY UNTIL DISPLAY
SHOWS 4th DIGIT OF CODE
3752

↓

PRESS "P5" KEY
UNTIL ♫ OR ♪

→ ♪ INCORRECT CODE

↓

♫ CODE CORRECT
RADIO STARTS

INCORRECT CODE →

WAITING PERIOD

↓

AFTER EACH INCORRECT
CODE,WAITING PERIOD IS
DOUBLED : 1,2,4,8 mn WITH
A MAXIMUM OF 32 mn

↓

DURING WAITING PERIOD
DISPLAY SHOWS CODE
AND EVERY ACTION IS
REFUSED

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22DC982/62E

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For checking and adjusting see general procedures

Check	SK				Setting of controls		
Demodulated FM levels	FM	93 MHz 1 mV Δf=22.5 KHz f mod = 1 KHz	B			1 200 mV ± 1 dB	
		93 MHz 1 mV Δf = 6.75 KHz f mod = 19 KHz				1 50 mV ± 1 dB	
		93 MHz 1 mV Δf = 3.75 KHz f mod = 57 KHz				1 20 mV ± 1 dB	
Demodulated AM level	MW	1053 KHz 1 mV 1 KHz, 30% AM	A			250 mV ≤ 2 ≤ 500 mV	
VC FM	FM		B	87.5 MHz		3 > 1.0 V	
				108 MHz		3 < 6.5 V	
VC AM	LW		A	144 KHz		4 > 0.8 V	
	MW			1611 KHz		4 < 6.5 V	
FM limiting Sensivity	FM	93 MHz 15 µV Δf=22.5 KHz f mod = 1 KHz	B			5 1.6V DC ± 0.1 V	
Oscillator voltage	FM		B	98 MHz		7 > 20 mV	
	AM		A	990 KHz		8 > 30 mV	

Adjustment	SK					
Quad detector	FM	93 MHz 40 µV	B	P2 93 MHz	5170	DC between 11 and 15 of 7150 ≤ 200 mV
FM limiting sensivity	FM	93 MHz 15µV Δf = 22.5 KHz f mod = 1 KHz	B	P2 93 MHz	3155	5 1.6 V DC ± 0.1 V
Sensivity search AM	MW	990 KHz 70µV unmodulated	A	P1 990 KHz	3175	9 1.75 V DC ± 0.1V

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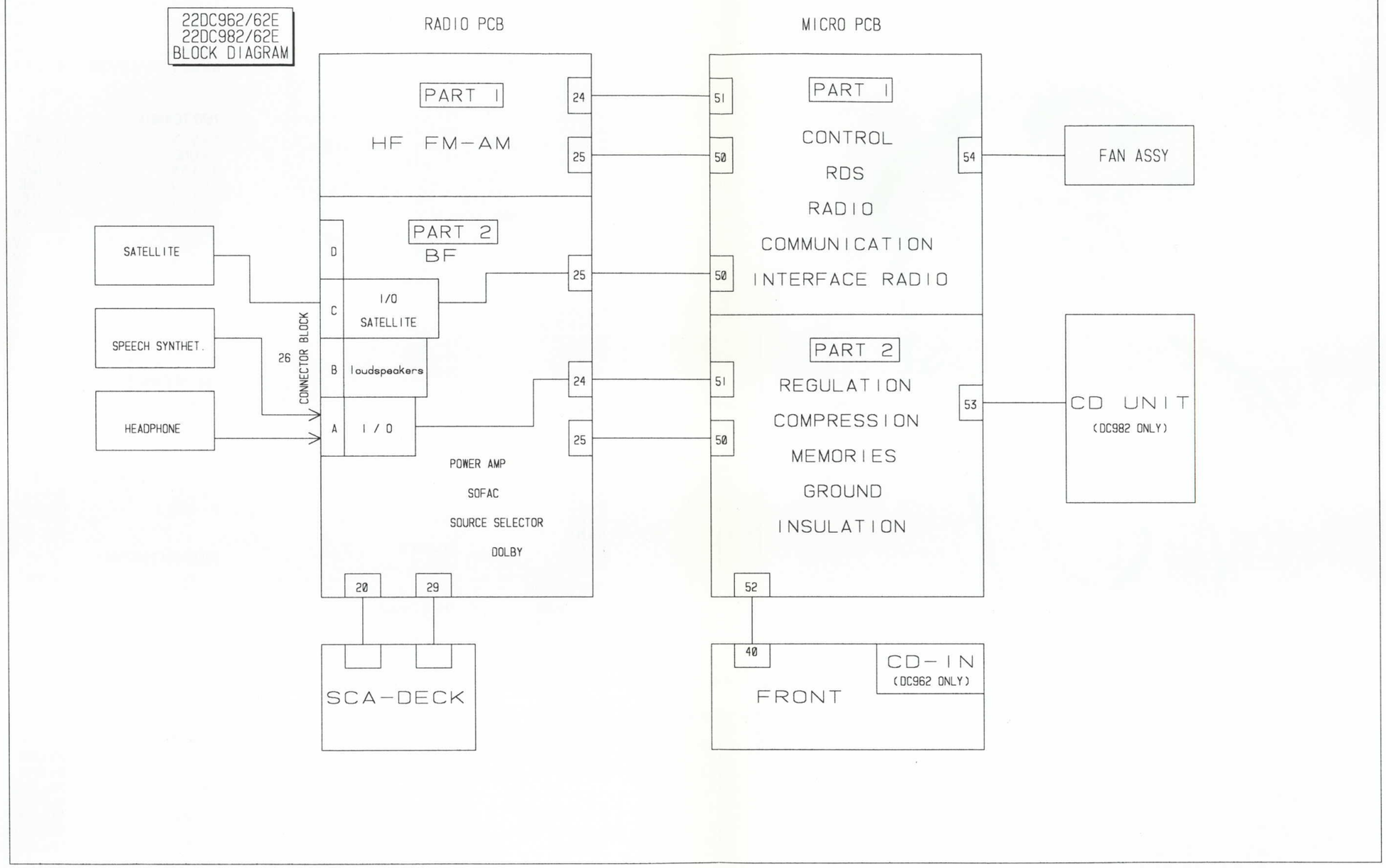

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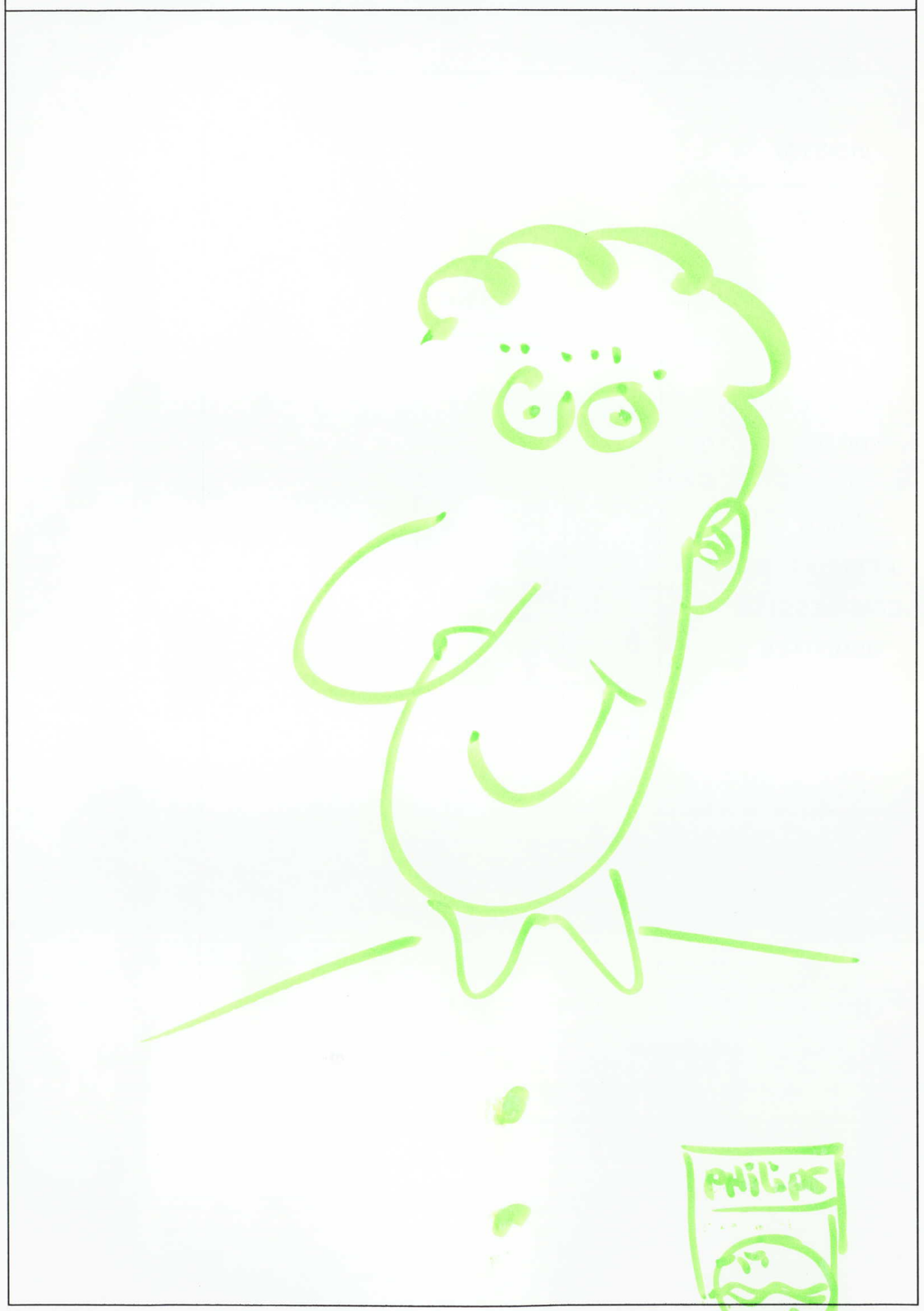
Technician's remarks



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22DC982/62E

DC VOLTAGES

1054 IAC7 THIFI

2 = 3.3 VV
4 = 4.3 V
5 = 5.0 V
6 = 7.9 V
7 = 8.3V
8 = GND

1100 TUNER MODULE

1 = GND
2 = 0.0 V
3 = GND
4 = 0.0 V
5 = 1.8 V FM / 0.0 V AM
6 = 8.5 V
7 = 1.3 V - 5.7 V
8 = 1.6 V
9 = GND
10 = 1.8 V
11 = 0.0 V
12 = 8.5 V AM / 0.2 V FM
13 = 1.8 V

1200 STEREO THIFI

1 = 0.6 V St / 5.0 V Mono
2 = 3.6 V
3 = 3.6 V
4 = 3.3 V
5 = 3.6 V
6 = GND
7 = 1.2 V FM / 0.7 VAM
8 = 8.1 V
9 = 5.5 V
10 = 5.0 V
11 = 0.0 V FM / 4.7 V FM
12 = 3.6 V
13 = GND
14 = 8.5 V
15 = 3.5 V
16 = 3.5 V
17 = 3.6 V
18 = N.C.
19 =3.6 V
20 = N.C.

1250 DOLBY B/C THIFI

1 = N.C.
2 = N.C.
3 = 6.0 V DBB / 8.5 V DBC
4 = 4.3 V
5 = GND
6 = 4.3 V
7 = 8.5 V
8 = N.C.
9 = N.C.
10 = 4.3 V
12 = N.C.
13 = 4.3 V
14 = 8.4 V
15 = 4.3 V
16 = 4.3 V
18 = 4.3 V

7050 TEA6200

1 = 6.0 V AM
2 = 4.1 V AM
3 = 8.5 V AM
4 = 8.5 V AM
5 = 8.5 V AM
6 = 7.3 V AM
7 = 1.4 V AM
8 = 4.1 V AM
9 = 4.1 V AM
10 = 4.1 V AM
11 = 6.7 V AM
12 = 2.9 V AM
13 = 5.0 V AM
14 = 8.5 V AM / 0.2 V FM
15 = 4.7 V AM
16 = 4.7 V AM
17 = GND
18 = 4.9 V AM
19 = 0.7 V AM
20 = 5.0 V AM

7150 TEA6100

1 = 8.2 V
2 = 0.8 V
3 = 4.4 V
4 = 0.0 V
5 = 0.0 V
6 = 40 KHz
7 = GND
8 = 8.4 V
9 = 5.0 V
10 = 5.0 V
11 = 4.6 V
12 = 4.6 V
13 = 4.6 V
14 = 2.6 V
15 = 4.3 V
16 = 3.0 V
17 = 3.0 V
18 = 3.0 V
19 = 3.0 V
20 = GND

7151 TSA6057

1 = 4 MHz
2 = 4 MHz
3 = 5.0 V
4 = GND
5 = 2.0 V
6 = 2.0 V
7 = 2.0 V
8 = 0.2 V FM / 8.5 V AM
9 = 40 KHz
10 = 5.0 V SDA
11 = 5.0 V SCL
12 = GND
13 = 1.3 V - 5.7 V FM
14 = 2.1 V
15 = 1.9 V - 3.4 V AM
16 = 8.4 V

7552 TEA6310

1 = 5.1 V
2 = GND
3 = 4.3 V
4 = 4.3 V
5 = 4.3 V
6 = 4.3 V
7 = 4.3 V
8 = N.C.
9 = 4.3 V
10 = N.C.
11 = 8.5 V
12 = N.C.
13 = N.C.
14 = 4.3 V
15 = 4.3 V
16 = N.C.
17 = N.C.
18 = GND
19 = N.C.
20 = 4.3 V
21 = N.C.
22 = 4.3 V
23 = 4.3 V
24 = 4.3 V
25 = 4.3 V
26 = 4.3 V
27 = 8.5 V
28 = 5.1 V

7553 HEF 4052B

1 = 4.2 V
2 = 4.3 V
3 = 4.3 V
4 = 4.2 V
5 = 4.2 V
6 = 0.0 V / 5.0 V MUTE
7 = GND
8 = GND
9 = 5.1 V
10 = 0.0 V
11 = 4.3 V
12 = 4.3 V
13 = 4.3 V
14 = 4.3 V
15 = 4.3 V
16 = 8.5 V

7650/7651 TDA7374

1 = 6.9 V
2 = 6.9 V
3 = 14.0 V
4 = 0.7 V
5 = 0.7 V
6 = 0.7 V
7 = 9.4 V
8 =GND
9 = GND
10 = NC
11 =0.7 V
12 =0.7 V
13 = 14.0 V
14 = 6.9 V
15 = 6.9 V

7652 HEF4066

1 = 3.3 V
2 = 3.2 V
3 = GND
4 = GND
5 = GND
6 = GND
7 = GND
8 = GND
9 = GND
10 = GND
11 = GND
12 = GND
13 = 8.5 V / 0.0 V MUTE
14 = 8.5 V

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22DC982/62E

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22DC982/62E
RADIO PCB PART1

AM FILTER
FM FILTER
6788 DSP
1100 TUNER MODULE
AGC
6100 BAS16
+8V5 [+7]
TEA6200 7050
7150 TEA6100
FM
AM
MUTE
Q
AF
IF
LEVEL
I.F. CTR
LATCH
I2C bus
LATCH LEVEL
LATCH M.P.
TIMER
A/D
MUX
M.P.
1054 IAC7
MPX
MAIN-MUTE
HEF4066B 7652
DATA-RADIO
CLOCK-RADIO
STEREO_THICK_FILM
1200
VCO 228 Khz
DIV 38/57/114 Khz
MPX DECODER
STEREO IND.
CONTROL INTERFACE
RADIO-L
RADIO-R
ST-INFO
MONO/ST
TSA6057 7151
DIV 3/4
CTR
SWALLOW CTR
FREQ LATCHES
REF CTR
PROG. CURRENT AMPLIFIER
I2C BUS
VC-FM
VC-AM
LOOP IN
BS OUT
VCC1
VCC2
X-TAL
4MHz
7203 BC847B
7200 BC858B
7201 BC858B
6201 BAS16
6200 BAS16
+5V [+5]

1054	B15	3213	J15
1120	C4	3215	K16
1200	H15	3217	I12
2050	D1	3218	J15
2051	F1	3219	K12
2052	H1	3220	K12
2053	H1	3280	B5
2054	G1	3281	B6
2055	G2	3282	C6
2057	G2	3283	H16
2058	G3	3284	D14
2059	G3	3285	A14
2060	E3	5050	F1
2061	E3	5051	E1
2062	H6	5052	G1
2063	J1	5053	F1
2064	K1	5054	F3
2065	K2	5055	G4
2066	K3	5056	K1
2067	K4	5057	K2
2068	K5	5058	F1
2069	K9	5070	K3
2070	K9	5071	K4
2071	K10	5072	G4
2072	G1	5073	G5
2073	G2	5100	C6
2100	E2	5150	A10
2101	E4	5160	J6
2102	J2	5161	J8
2103	F13	5170	J9
2150	C8	6051	F3
2152	D8	6100	C1
2153	A10	6200	K15
2154	A11	6201	K12
2155	E8	7050	H5
2156	E9	7150	B11
2157	E10	7151	I7
2158	A10	7200	J14
2160	D10	7201	K14
2163	E11	7203	J12
2164	E11	7652	E16
2165	A8	7658	A1
2167	E11		
2168	B13		
2170	G7		
2171	H6		
2172	H6		
2173	I6		
2174	J7		
2175	J7		
2176	J8		
2177	J10		
2178	A15		
2180	I6		
2200	A15		
2201	A16		
2202	B14		
2204	F13		
2205	J12		
2209	J14		
2210	K15		
2211	K15		
2213	F14		
2214	I14		
2215	J14		
2216	K15		
2482	F16		
2484	F16		
3050	F1		
3051	G1		
3052	E3		
3053	E4		
3054	K3		
3055	K4		
3056	K9		
3057	K10		
3058	D1		
31 004	G6		
3100	D4		
3101	D5		
3111	B13		
3150	C7		
3151	B7		
3153	A10		
3154	A11		
3155	E8		
3156	E9		
3157	E9		
3158	E10		
3159	E10		
3160	E11		
3161	E10		
3162	E10		
3164	D12		
3165	D13		
3170	H6		
3171	J7		
3174	G11		
3175	G11		
3176	I12		
3177	J12		
3178	K12		
3179	K12		
3180	I6		
3200	A14		
3201	A15		
3202	A16		
3203	J6		
3204	J6		
3205	E13		
3206	E13		
3209	D16		
3210	D15		
3211	J13		
3212	K13		

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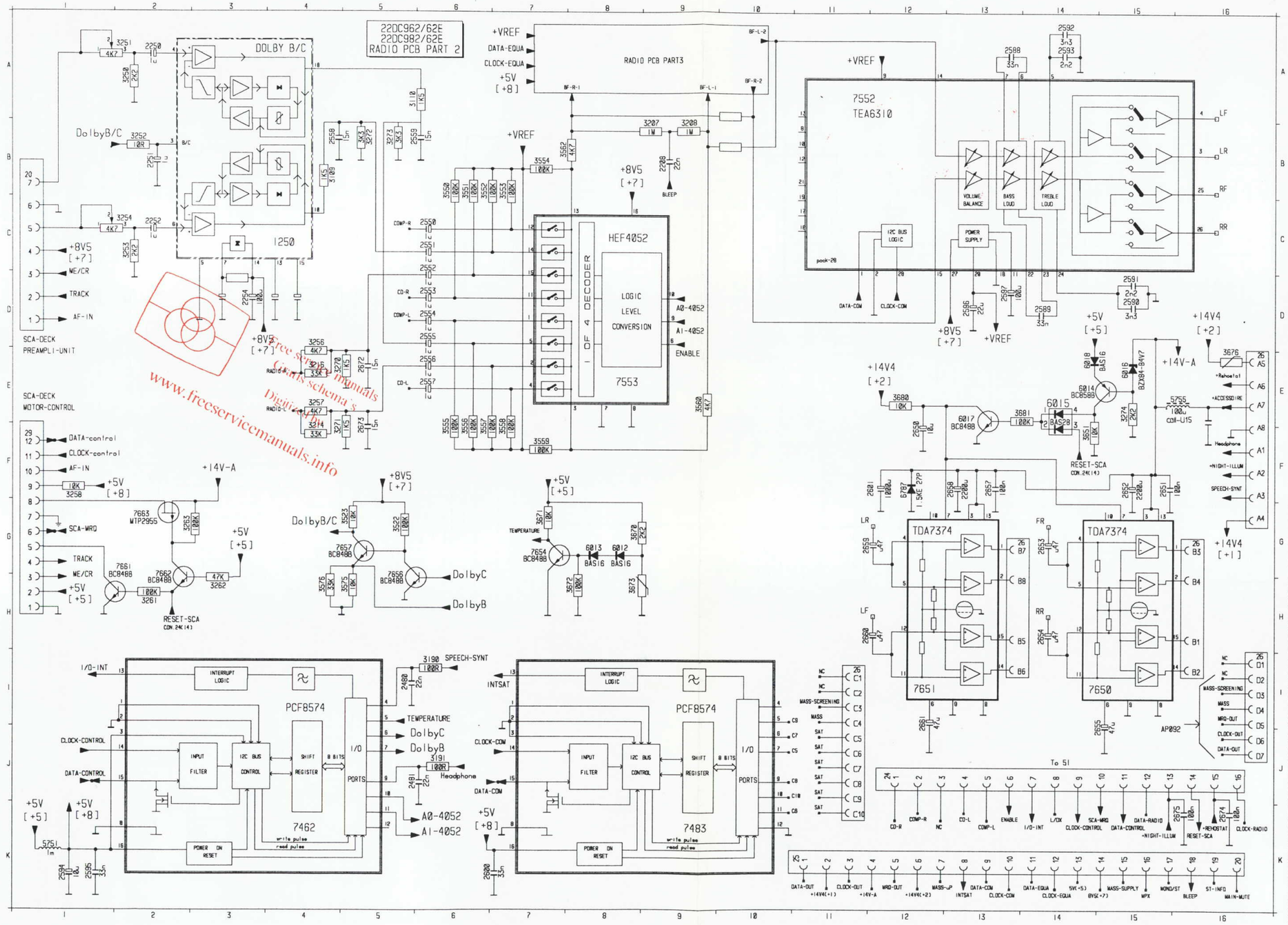
RADIO PCB PART 2



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Circuits schema's
Digital Data

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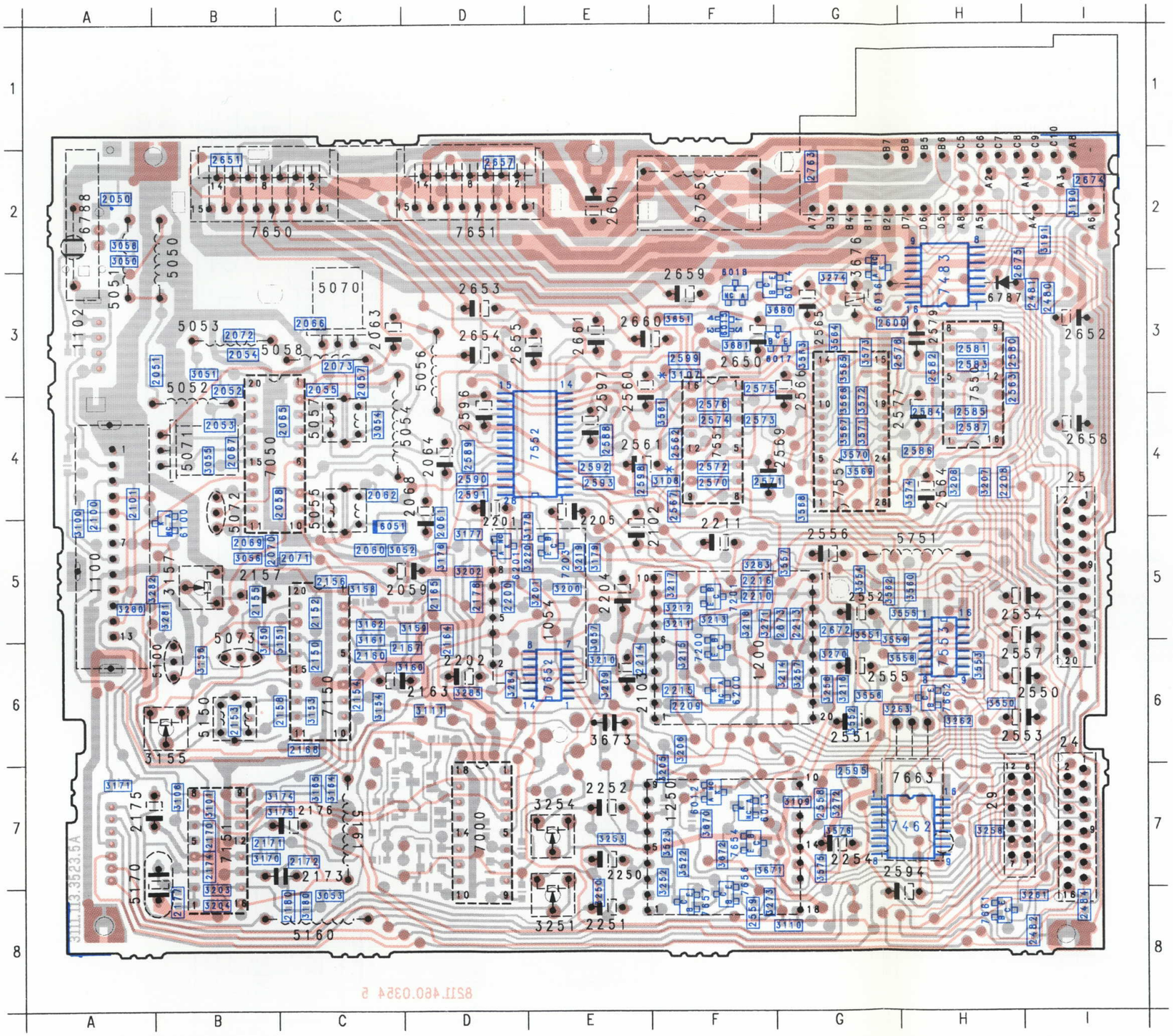
PCB RADIO



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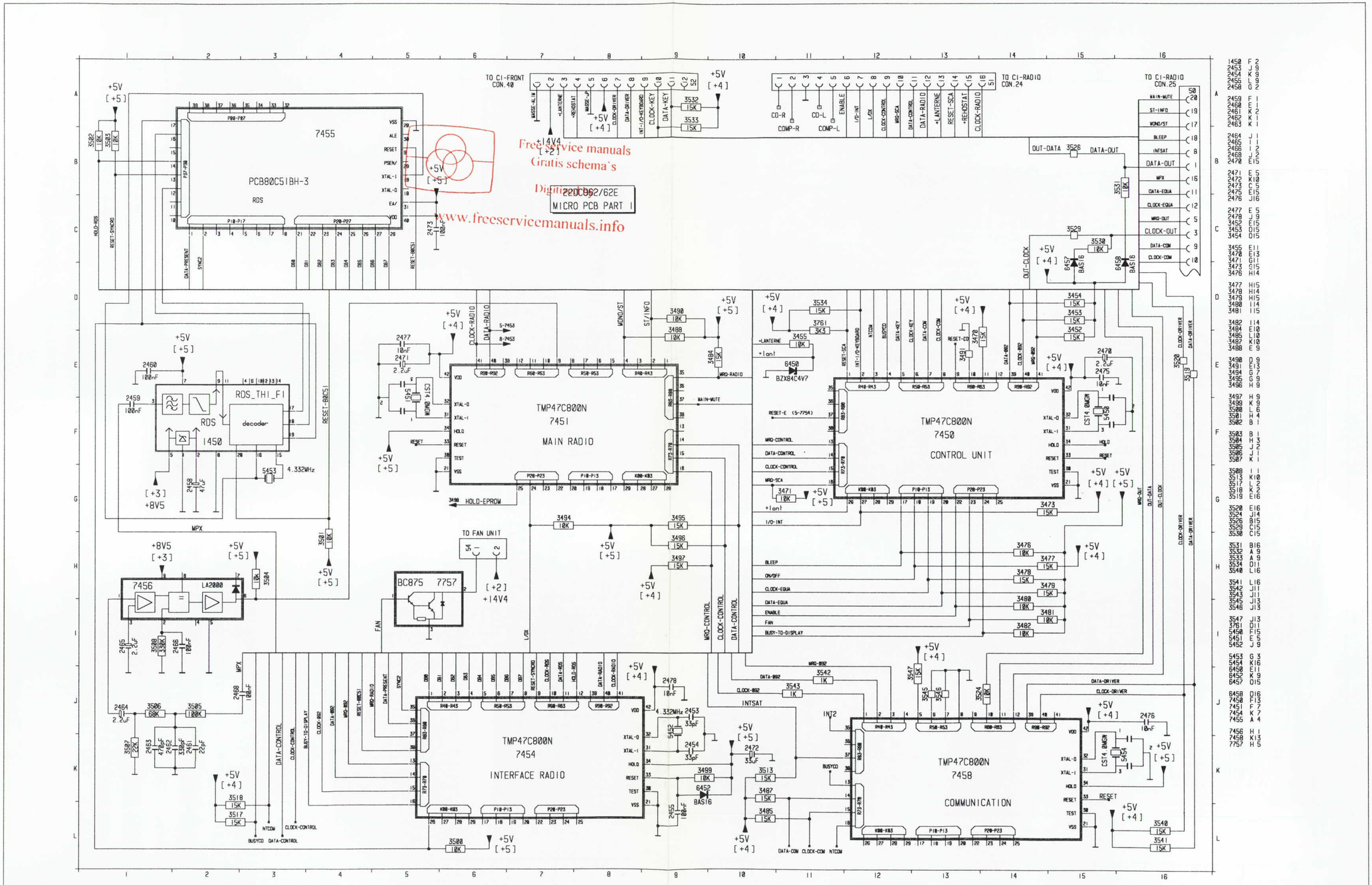

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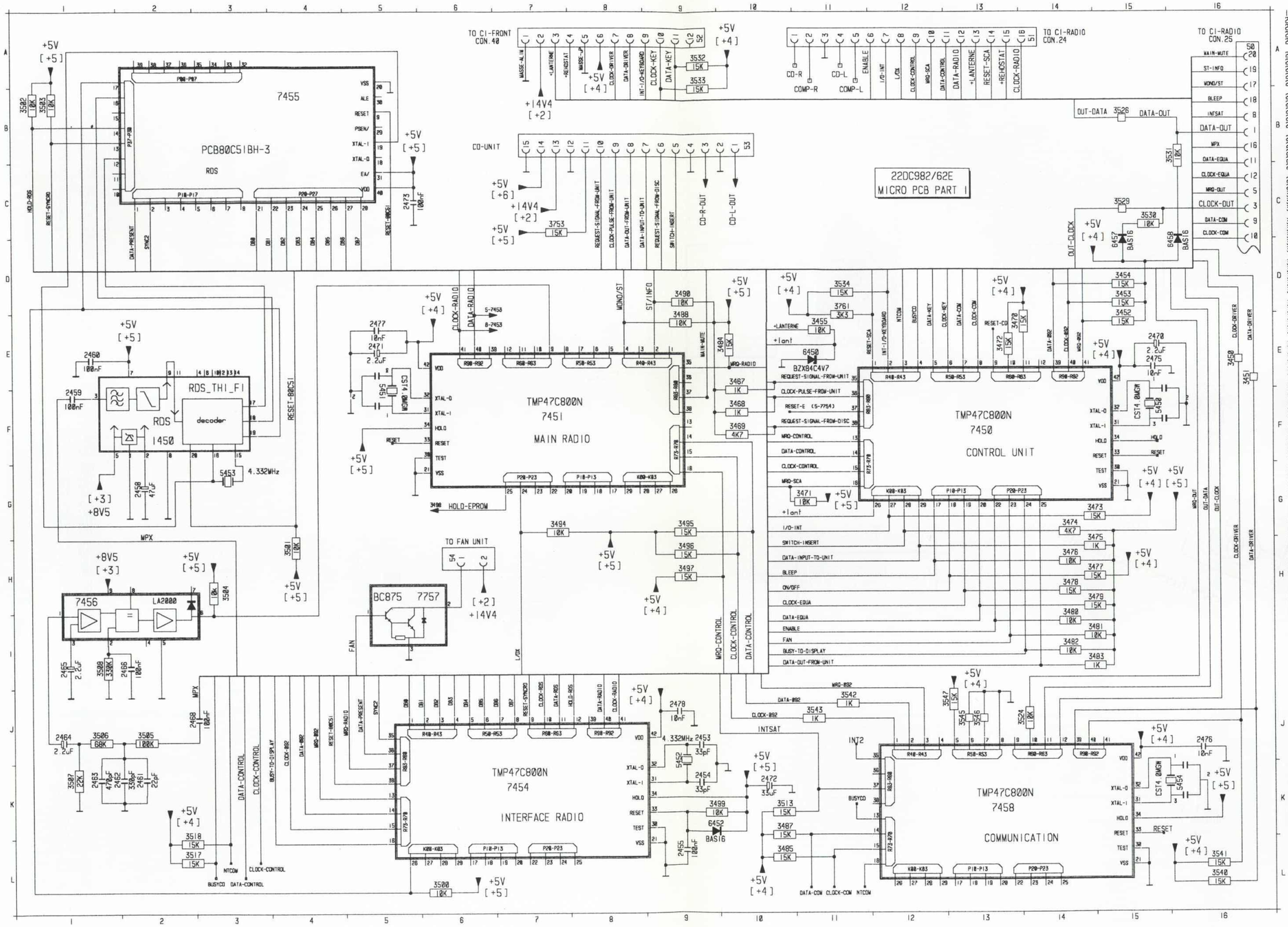

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22DC962/62E
22DC982/62E
MICRO PCB PART 2

TO CI-RADIO
CON.25

+8V5 [+7]
+5V [+5]
+14V4 [+2]
+14V-A
+14V4 [+1]

L4918 7756
L4916 7755
L4901 7754
L4949 7750
L4901 7754

PREREGULATOR 7V
REGULATOR
REF
RESET
SENSE

5V PERMANENT
RESET (53-7450)
HOLD (54-7450)
5V ACCESSOIRE
5V CD
THERM. PROTECT.
DELAYED RESET
RESET-E (57-7450)
DN/OFF (18-7450)

× : Suppressed only for 962 version

TO CI-FRONT
CON.40

CD-IN-L
CD-IN-M
CD-IN-R
CD-L-OUT
CD-R-OUT

Added only for
962 versions

TO CD-UNIT

CD-L
CD-R
COMP-R
COMP-L
CD-R-OUT
CD-L-OUT
CD-R-COMP
CD-L-COMP

NE571N

7452 ST24C04B6 TEST
7453 ST24C04B6 TEST
7457 ST24C08B6 TEST

MEMORY REGISTER
ADDRESS CTR
CONTROL LOGIC
REGISTER COMPARATOR
variable gain cell
RECTIFIER

HOLD-EPROM
DATA-RADIO
CLOCK-RADIO
DATA-RDS
CLOCK-RDS
(11-7454) (10-7454)

2350	B14	7452	H 6
2351	C13	7453	J 6
2352	C13	7457	J 4
2353	C15	7461	G 5
2354	D15	7750	D 4
2355	B15	7751	D 7
2356	G13	7752	C 7
2357	G14	7753	C 7
2358	I12	7754	C 9
2359	I12	7755	A 8
2360	H13	7756	A 6
2361	I13		
2362	I12		
2363	J13		
2364	I12		
2365	J12		
2366	J15		
2367	H15		
2368	I15		
2369	I15		
2370	J13		
2371	I12		
2450	H 8		
2451	J 6		
2452	H 6		
2467	J 5		
2602	C 2		
2603	C 2		
2750	C 4		
2751	C 5		
2752	D 7		
2753	E 9		
2754	D 9		
2755	D10		
2756	A 7		
2757	B 9		
2758	A10		
2759	A 7		
2760	B 5		
2761	A 4		
2762	E 2		
2764	C 5		
3350	C13		
3351	C14		
3352	C14		
3353	B14		
3354	B14		
3355	B15		
3356	C15		
3357	C15		
3358	C15		
3361	G13		
3362	G14		
3363	H12		
3364	H12		
3365	I11		
3366	I13		
3367	I13		
3368	J12		
3369	K14		
3370	J15		
3371	H14		
3372	H15		
3373	B13		
3374	B14		
3375	C 8		
3376	C 8		
3378	G12		
3380	G15		
3381	G16		
3382	G15		
3383	G16		
3384	G14		
3385	G13		
3386	G14		
3387	G13		
3388	C13		
3389	F14		
3492	F 8		
3493	F 9		
3498	G 7		
3509	J 2		
3510	I 2		
3750	D 2		
3751	D 6		
3752	E 6		
3754	D10		
3756	E 7		
3757	D 2		
3758	D 3		
3759	C 5		
3760	B 5		
3762	B 5		
50	B 1		
51	F15		
52	A13		
53	F13		
6350	C15		
6351	I11		
6454	C 2		
6750	B 2		
6751	D 7		
6752	E 2		
6754	B 3		
6755	B 3		
6756	B 3		
7350	J14		
7351	B15		
7352	D15		

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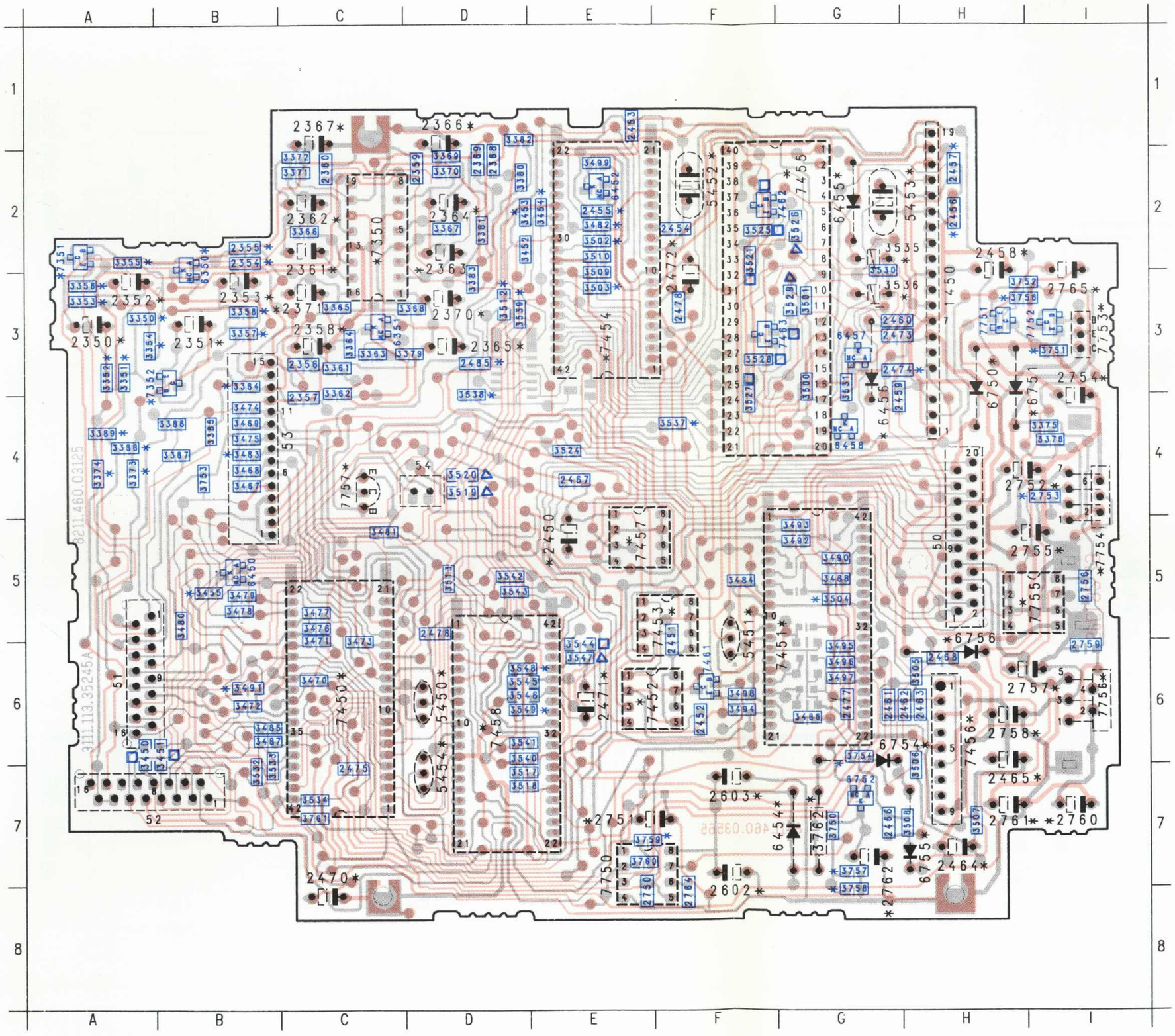
PCB MICRO


A
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6211.460.03125
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22DC962/62E
22DC982/62E
FRONT PCB

PCF8574 7484 — INTERRUPT LOGIC, INPUT FILTER, I2C BUS CONTROL, SHIFT REGISTER, 8 BITS, I/O PORTS, POWER ON RESET, write pulse, read pulse

PCF8574 7485 — INTERRUPT LOGIC, INPUT FILTER, I2C BUS CONTROL, SHIFT REGISTER, 8 BITS, I/O PORTS, POWER ON RESET, write pulse, read pulse

40 9 interrupt
40 10 clock
40 11 data
40 5
40 6
40 3 + lanterne
40 2
40 4 + rehostat
40 1
40 13 masse-CD
40 14 CD-IN-Right
40 15 masse-CD
40 16 CD-IN-Left

3677 100K

1501 EJECT · 1502 RADIO · 1503 TAPE · 1504 CD · 1505 P4 · 1506 P5 · 1507 >> · 1508 NEXT
1509 Play/Pause · 1510 RDS/INFO · 1511 DOLBY · 1512 COMP · 1513 P2 · 1514 P3 · 1515 << · 1516 PREV
1517 BASS · 1518 AST · 1519 ON/OFF · 1520 P1 · 1521 UP · 1522 DOWN · 1523 BAL
1524 VOL+ · 1525 TREB · 1526 LOUD · 1527 ULM · 1528 L/DX · 1529 VOL- · 1530 FAD

3664 470R 6767 6768 BC517 7658
3652 220R 6755 6756 6757 6758
3653 220R 6759 6760 6761 6762
3654 220R 6763 6764 6765 6766
3655 470R 6769 6770
3656 220R 6771 6772 6773 6774
3657 220R 6775 6776 6777 6778
3658 220R 6779 6780 6781 6782
3659 330R 6788 6787 6785
3660 470R 6783 6784
3661 470R 6786
3663 220R · 7652 BC327 · 3668 10R
3674 33K · 3679 33K
418 · 419
7660 BC517
7655 BC517

LCD 1451

PCF8576 7464 — BLINKER, TIMING, OSC, POWER ON RESET, I2C BUS CONTROLLER, INPUT FILTERS, DISPLAY SEGMENT OUTPUTS, DISPLAY LATCH, SHIFT REGISTER, OUTPUT BANK SELECTOR, DISPLAY CONTROLLER, DISPLAY RAM 40x4bits, COMMAND DECODER, INPUT BANK SELECTOR, DATA POINTER, SUB ADDRESS COUNTER, LCD VOLTAGE SELECTOR, LCD BIAS GENER

3667 180K
3665 220

PCF8576 7465 — BLINKER, TIMING, OSC, POWER ON RESET, I2C BUS CONTROLLER, INPUT FILTERS, DISPLAY SEGMENT OUTPUTS, DISPLAY LATCH, SHIFT REGISTER, OUTPUT BANK SELECTOR, DISPLAY CONTROLLER, DISPLAY RAM 40x4bits, COMMAND DECODER, INPUT BANK SELECTOR, DATA POINTER, SUB ADDRESS COUNTER, LCD VOLTAGE SELECTOR, LCD BIAS GENER

data 40 8
clock 40 7
40 6
3666 220

6783 6784 : DC982/62E ONLY

40	H16
40	K 1
40	E 1
418	J 2
419	J 3
1451	I 11
1501	C 7
1502	C 7
1503	C 8
1504	C 9
1505	C 9
1506	C10
1507	C10
1508	C11
1509	D 7
1510	D 7
1511	D 8
1512	D 9
1513	D 9
1514	D10
1515	D10
1516	D11
1517	D 7
1518	D 8
1519	D 9
1520	E 9
1521	E10
1522	E10
1523	E11
1524	E 7
1525	E 7
1526	E 8
1527	E 9
1528	E10
1529	E10
1530	E11
3652	G 5
3653	H 5
3654	H 5
3655	I 5
3656	I 5
3657	I 5
3658	J 5
3659	J 5
3660	K 5
3661	K 5
3663	H 5
3664	G 5
3674	I 1
3677	F 2
3679	J 2
6755	G 5
6756	G 6
6757	G 6
6758	G 7
6759	H 5
6760	H 6
6761	H 6
6762	H 7
6763	H 5
6764	H 6
6765	H 6
6766	H 7
6767	G 5
6768	G 6
6769	I 6
6770	I 7
6771	I 5
6772	I 6
6773	I 6
6774	I 7
6775	I 5
6776	I 6
6777	I 6
6778	I 7
6779	J 5
6780	J 6
6781	J 6
6782	J 7
6783	K 5
6784	K 6
6785	J 6
6786	K 6
6787	J 6
6788	J 5
7464	C13
7465	H13
7484	C 4
7485	F 4
7652	H 3
7655	K 7
7658	G 6
7660	K 3

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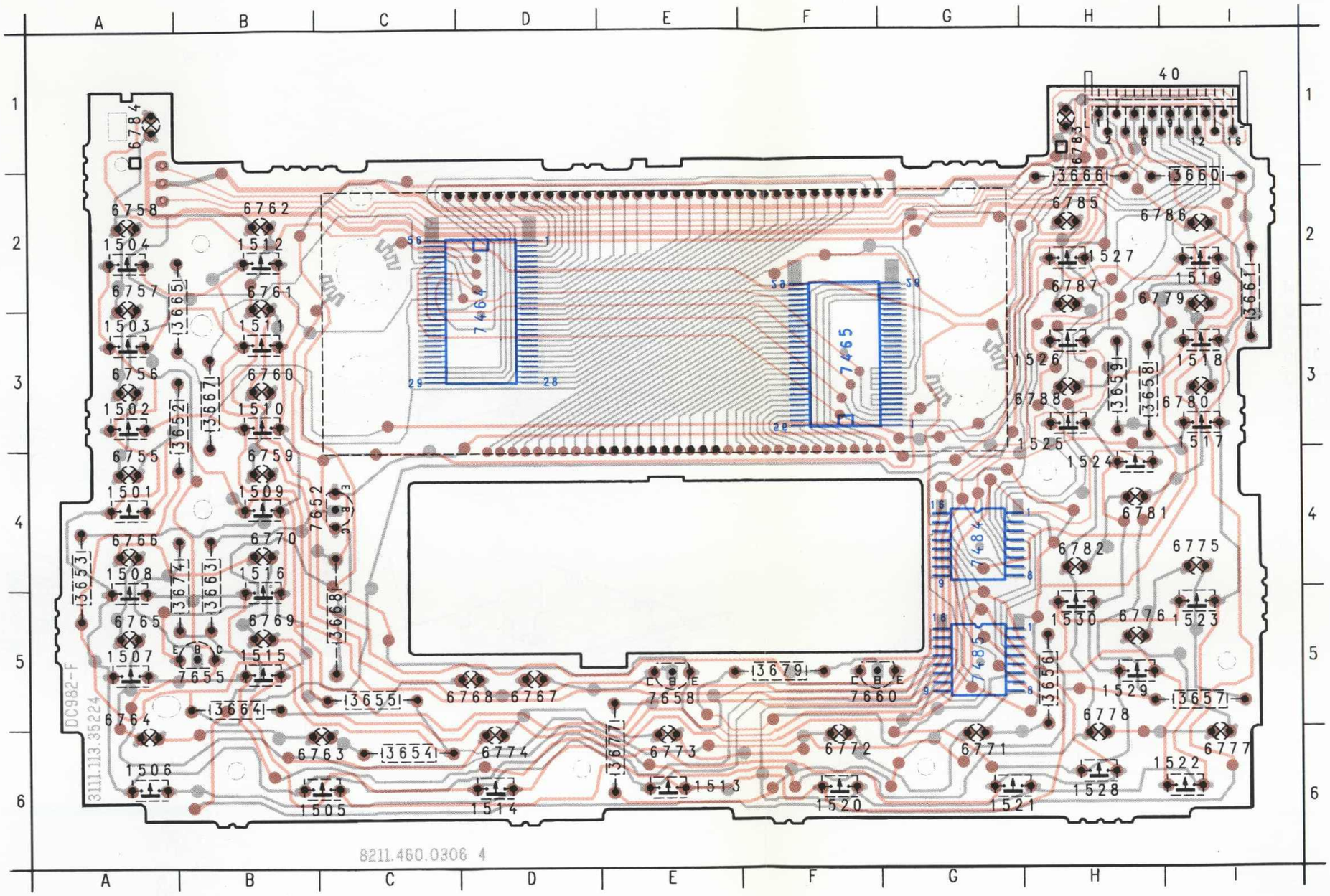
PCB FRONT



□ 22DC982/62E ONLY

1501 4A
1502 3A
1503 3A
1504 2A
1505 6C

1506 6A
1507 5A
1508 4A
1509 4B
1510 3B

1511 3B
1512 2B
1513 6E
1514 6D
1515 5B

1516 4B
1517 3I
1518 3I
1519 2I
1520 6F

1521 6G
1522 6I
1523 5I
1524 4H
1525 3H

1526 3H
1527 2H
1528 6H
1529 5H
1530 5H

3652 3B
3653 4A
3654 6C
3655 5C
3656 5H

3657 5I
3658 3H
3659 3H
3660 2I
3661 2I

3663 4B
3664 5B
3665 2B
3666 2H
3667 3B

3668 5C
3674 4B
3677 6E
3679 5F
6755 4A

6756 3A
6757 2A
6758 2A
6759 4B
6760 3B

6761 2B
6762 2B
6763 6C
6764 5A
6765 5A

6766 4A
6767 5D
6768 5D
6769 5B
6770 4B

6771 6G
6772 6F
6773 6E
6774 6D
6775 4I

6776 5H
6777 6I
6778 5H
6779 2I
6780 3I

6781 4H
6782 4H
6783 1H
6784 1A
6785 2H

6786 2I
6787 2H
6788 3H
7464 3D
7465 3F

7484 4G
7485 5G
7652 4C
7655 5B
7658 5E

7660 5F

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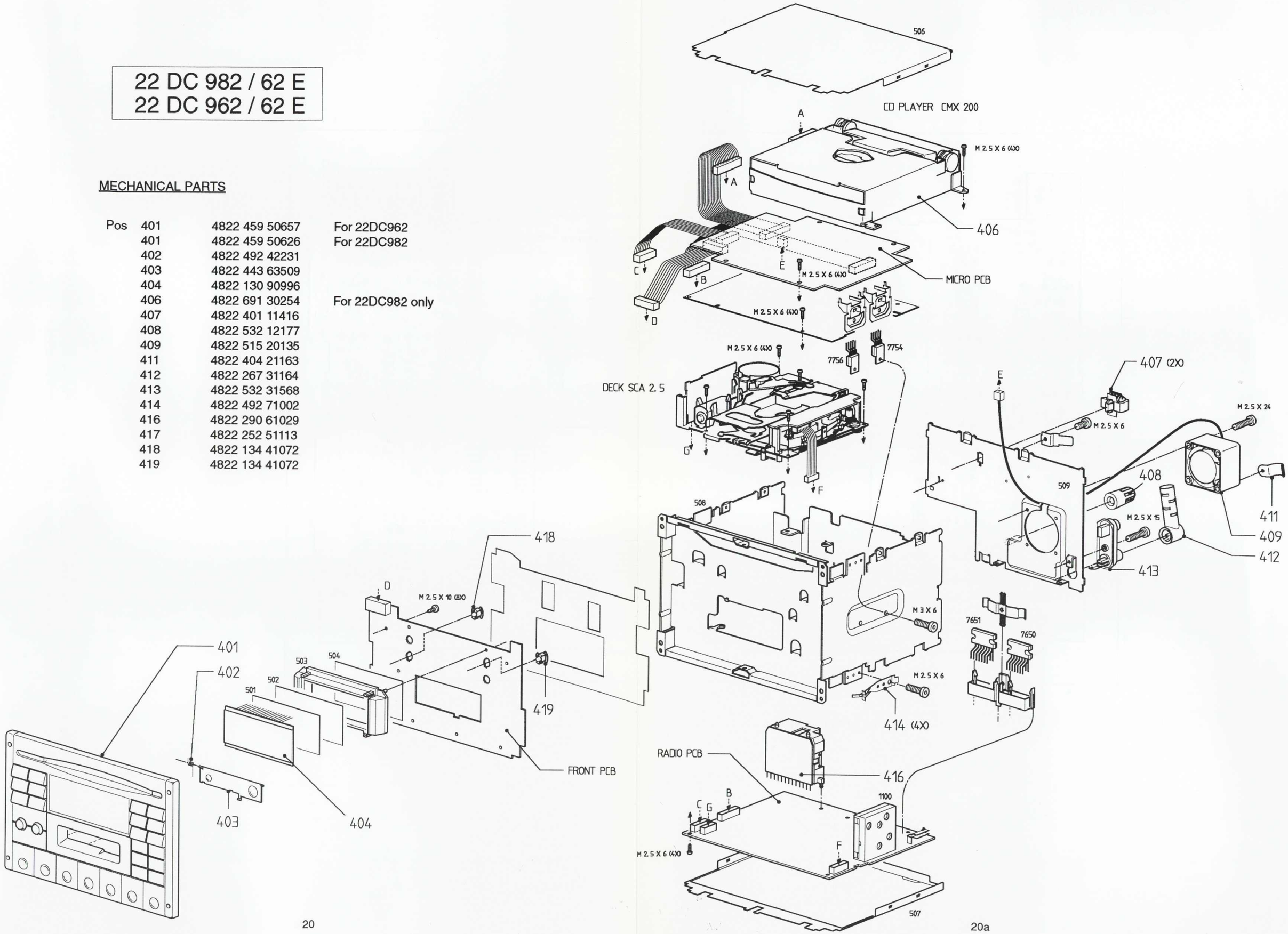
11/10/2013

22 DC 982 / 62 E
22 DC 962 / 62 E

MECHANICAL PARTS

Pos	401	4822 459 50657	For 22DC962
	401	4822 459 50626	For 22DC982
	402	4822 492 42231	
	403	4822 443 63509	
	404	4822 130 90996	
	406	4822 691 30254	For 22DC982 only
	407	4822 401 11416	
	408	4822 532 12177	
	409	4822 515 20135	
	411	4822 404 21163	
	412	4822 267 31164	
	413	4822 532 31568	
	414	4822 492 71002	
	416	4822 290 61029	
	417	4822 252 51113	
	418	4822 134 41072	
	419	4822 134 41072	



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Miscellaneous		
1054	4822 214 51676	IAC THICKFILM
1100	4822 210 10305	TUNER
1200	4822 214 51856	STD THICKFILM
1250	4822 214 52082	DBC3 THICKFILM DOLBY
1450	4822 214 51875	RDS5 THICKFILM
1501	4822 276 13103	SWITCH
1502	4822 276 13103	SWITCH
1503	4822 276 13103	SWITCH
1504	4822 276 13103	SWITCH
1505	4822 276 13103	SWITCH
1506	4822 276 13103	SWITCH
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1529	4822 276 13103	SWITCH
1530	4822 276 13103	SWITCH

2050	5322 122 31647	1nF10%X7R 63V
2051	5322 122 32286	3,3pF 5%NP0 50V
2052	5322 122 32287	4,7pF 5%NP0 50V
2053	5322 122 32965	18pF 5%NPO 50V
2054	5322 122 31863	330pF 5%NP0 50V
2055	5322 122 31863	330pF 5%NP0 50V
2057	5322 122 34098	10nF 10% X7R 0805
2058	4822 122 33496	100nF10%X7R 63V
2059	4822 124 41796	22µF20% 16V
2060	4822 122 33283	150pF 5%NP0 50V
2061	4822 122 33555	22nF10%
2062	4822 122 33175	2,2nF 20% X7R 50V
2063	4822 124 41969	1µF20% 50V
2064	4822 124 40272	33µF20% 16V
2065	4822 122 33496	100nF10%X7R 63V
2066	5322 122 32658	22pF 5% 50V
2067	4822 122 33496	100nF10%X7R 63V
2068	4822 124 23624	47µF20% 16V
2069	5322 126 10223	4,7nF10%X7R 63V
2070	4822 122 33175	2,2nF 20% X7R 50V
2071	4822 122 33555	22nF10%
2072	4822 122 33175	2,2nF 20% X7R 50V
2073	4822 122 33175	2,2nF 20% X7R 50V

2100	4822 122 33555	22nF10%
2101	4822 122 33555	22nF10%
2102	4822 124 41969	1µF 20% 50V
2103	4822 124 23768	220µF 20% 10V
2150	4822 122 33496	100nF10%X7R 63V
2152	4822 122 32542	47nF10%X7R 63V
2153	4822 122 33515	82pF 5%NP0 63V
2154	4822 122 33555	22nF10%
2155	4822 122 33496	100nF10%X7R 63V
2156	4822 122 33555	22nF10%
2157	4822 124 40272	33µF20% 16V
2158	4822 122 33514	68pF 5%NP0 50V
2160	4822 122 33177	10nF 20% X7R 50V
2163	4822 124 40244	2,2µF20% 63V
2164	4822 122 33175	2,2nF 20% X7R 50V
2165	4822 122 32542	47nF 10% X7R 1206
2167	4822 122 32542	47nF10%X7R 63V
2168	4822 122 33283	150pF 5%NP0 50V
2170	4822 122 33555	22nF10%
2171	5322 122 31866	6,8nF10%X7R 63V
2172	4822 122 32891	68nF10%X7R 63V
2173	4822 121 51252	470nF 5% 63V
2174	4822 122 33555	22nF10%
2175	4822 124 40272	33µF20% 16V
2176	4822 124 40272	33µF20% 16V
2177	4822 122 33283	150pF 5%NP0 50V
2178	4822 122 33496	100nF10%X7R 63V
2180	4822 122 33177	10nF 20% X7R 50V
2200	4822 122 33496	100nF10%X7R 63V
2201	4822 124 40272	33µF20% 16V
2202	4822 124 41969	1µF 20% 50V
2204	4822 124 23432	100µF20% 10V
2205	4822 124 22403	10µF 20% 16V
2208	4822 122 33555	22nF10%
2209	4822 122 33585	3,3nF10%
2210	4822 122 33585	3,3nF10%
2211	4822 124 40272	33µF20% 16V
2212	4822 122 33496	100nF 10% X7R 1206
2213	4822 122 33585	3,3nF10%
2214	4822 122 33585	3,3nF10%
2215	5322 126 10223	4,7nF10%X7R 63V
2216	5322 126 10223	4,7nF10%X7R 63V
2250	4822 124 41969	1µF20% 50V
2251	4822 124 41969	1µF20% 50V
2252	4822 124 41969	1µF20% 50V
2253	4822 124 41969	1µF20% 50V
2254	4822 124 23432	100µF20% 10V
2255	4822 124 23432	100µF20% 10V
2256	4822 124 23432	100µF20% 10V
2356	4822 122 33496	100nF10%X7R 63V
2357	4822 122 33496	100nF10%X7R 63V
2358	4822 124 23624	47µF20% 16V
2359	4822 122 33584	220pF 5%
2360	4822 122 33584	220pF 5%
2361	4822 124 23767	3.3µF20% 50V
2362	4822 124 40272	33µF20% 16V
2363	4822 124 23767	3.3µF20% 50V
2364	4822 124 40272	33µF20% 16V
2365	4822 124 23624	47µF20% 16V

2366	4822 124 22403	10µF 20% 16V
2367	4822 124 22403	10µF 20% 16V
2368	4822 124 11355	SMC 2,2µF 6,3V 20%
2369	4822 124 11355	SMC 2,2µF 6,3V 20%
2370	4822 124 41796	22µF20% 16V
2371	4822 124 41796	22µF20% 16V
2450	4822 124 22403	10µF 20% 16V
2451	4822 122 33496	100nF10%X7R 63V
2452	4822 122 33496	100nF10%X7R 63V
2453	5322 122 32659	33pF 5% 50V
2454	5322 122 32659	33pF 5% 50V
2455	4822 122 33496	100nF10%X7R 63V
2456	5322 122 32658	22pF 5% 50V
2457	5322 122 32658	22pF 5% 50V
2458	4822 124 23624	47µF20% 16V
2459	4822 122 33496	100nF10%X7R 63V
2460	4822 122 33496	100nF10%X7R 63V
2461	5322 122 32658	22pF 5% 50V
2462	5322 122 31863	330pF 5%NP0 50V
2463	5322 122 32268	470pF 10% 50V
2464	4822 122 33496	100nF 10% 63V X7R
2464	4822 124 40244	2,2µF20% 63V
2465	4822 124 40244	2,2µF20% 63V
2466	4822 122 33496	100nF10%X7R 63V
2467	4822 122 33496	100nF10%X7R 63V
2469	4822 124 40244	2,2µF20% 63V
2470	4822 124 40244	2,2µF20% 63V
2471	4822 124 40244	2,2µF20% 63V
2472	4822 124 40272	33µF 20% 16V
2473	4822 122 33496	100nF10%X7R 63V
2474	4822 122 33496	100nF10%X7R 63V
2475	4822 122 33177	10nF 10% X7R 0805
2476	4822 122 33177	10nF 10% X7R 0805
2477	4822 122 33177	10nF 10% X7R 0805
2478	4822 122 33177	10nF 10% X7R 0805
2480	4822 122 33555	22nF10%
2481	4822 122 33555	22nF10%
2482	5322 122 32448	10pF 5% 50V
2484	5322 122 32448	10pF 5% 50V
2550	4822 124 41969	1µF 20% 50V
2551	4822 124 41969	1µF 20% 50V
2552	4822 124 41969	1µF 20% 50V
2553	4822 124 41969	1µF 20% 50V
2554	4822 124 41969	1µF 20% 50V
2555	4822 124 41969	1µF 20% 50V
2556	4822 124 41969	1µF 20% 50V
2557	4822 124 41969	1µF 20% 50V
2558	4822 122 33128	15nF10%X7R 63V
2559	4822 122 33128	15nF10%X7R 63V
2578	4822 122 33496	100nF10%X7R 63V
2588	4822 122 31981	33nF+-0,5pF 50V
2589	4822 122 31981	33nF+-0,5pF 50V
2590	4822 122 33585	3,3nF10%
2591	4822 122 33175	2,2nF 20% X7R 50V
2592	4822 122 33585	3,3nF10%
2593	4822 122 33175	2,2nF 20% X7R 50V
2594	4822 124 22403	10µF 20% 16VV
2595	4822 122 31981	33nF 10% X7R 1206
2596	4822 124 41796	22µF20% 16V

2597	4822 124 23432	100µF20% 10V
2598	4822 122 33325	470nF +80-20% 1206
2599	4822 122 33325	470nF +80-20% 1206
2601	4822 124 40201	1000µF 20% 16V
2650	4822 124 22403	10µF 20% 16V
2651	4822 122 33496	100nF10%X7R 63V
2652	4822 124 22412	2200µF 20% 16V
2653	5322 124 41948	470nF+-20% 50V
2654	5322 124 41948	470nF+-20% 50V
2655	4822 124 23624	47µF20% 16V
2657	4822 122 33496	100nF10%X7R 63V
2658	4822 124 22412	2200µF 20% 16V
2659	5322 124 41948	470nF+-20% 50V
2660	5322 124 41948	470nF+-20% 50V
2661	4822 124 23624	47µF20% 16V
2672	4822 122 33128	15nF10%X7R 63V
2673	4822 122 33128	15nF10%X7R 63V
2674	4822 122 33496	100nF10%X7R 63V
2675	4822 122 33496	100nF10%X7R 63V
2750	4822 122 33496	100nF10%X7R 63V
2751	4822 124 40272	33µF20% 16V
2752	4822 124 41643	100µF 20% 16V
2753	4822 122 33177	10nF 20% X7R 50V
2754	4822 124 23432	100µF 20% 10V
2755	4822 124 23432	100µF 20% 10V
2756	4822 122 33496	100nF10%X7R 63V
2757	4822 124 22403	10µF 20% 16V
2758	4822 124 40272	33µF 20% 10V
2759	4822 122 33496	100nF10%X7R 63V
2760	4822 124 22403	10µF 20% 16V
2761	4822 124 40272	33µF 20% 16V
2762	4822 124 22403	10µF 20% 16V

3050	4822 051 20471	470Ω 5% 0,1W
3051	4822 051 20471	470Ω 5% 0,1W
3052	4822 051 20224	220K 5% 0,1W
3053	4822 051 20472	4K7 5% 0,1W
3054	4822 051 20102	1K 5% 0,1W
3055	4822 051 20102	1K 5% 0,1W
3056	4822 051 20223	22K 5% 0,1W
3057	4822 051 20224	220K 5% 0,1W
3058	4822 051 20101	100Ω 5% 0,1W
3100	4822 051 20103	10K 5% 0,1W
3101	4822 051 20102	1K 5% 0,1W
3106	4822 051 20221	220Ω 5% 0,1W
3109	4822 051 20152	1K5 5% 0,1W
3110	4822 051 20152	1K5 5% 0,1W
3111	4822 051 10008	0Ω 5% 0,25W
3150	4822 051 20102	1K 5% 0,1W
3151	4822 051 20331	330Ω 5% 0,1W
3153	4822 051 20332	3K3 5% 0,1W
3154	4822 051 20109	10Ω 5% 0,1W
3155	4822 100 20166	10K 3%LIN 0,1W
3156	4822 051 20332	3K3 5% 0,1W
3157	4822 100 20166	10K 3%LIN 0,1W
3158	4822 051 20109	10Ω 5% 0,1W
3159	4822 051 20472	4K7 5% 0,1W
3160	4822 051 20221	220Ω 5% 0,1W

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3161	4822 051 20152	1kΩ5 5% 0,1W
3162	4822 051 20152	1kΩ5 5% 0,1W
3164	4822 051 20333	33K 5% 0,1W
3165	4822 051 20222	2kΩ2 5% 0,1W
3170	4822 051 20103	10K 5% 0,1W
3171	4822 051 20223	22K 5% 0,1W
3174	4822 051 20333	33K 5% 0,1W
3175	4822 051 20333	33K 5% 0,1W
3176	4822 051 20333	33K 5% 0,1W
3177	4822 051 20472	4K7 5% 0,1W
3178	4822 051 20471	470Ω 5% 0,1W
3179	4822 051 20221	220Ω 5% 0,1W
3180	4822 051 20103	10K 5% 0,1W
3190	4822 051 20101	100Ω 5% 0,1W
3191	4822 051 20101	100Ω 5% 0,1W
3200	4822 051 20154	150K 5% 0,1W
3201	4822 051 20474	470K 5% 0,1W
3202	4822 051 20109	10Ω 5% 0,1W
3203	4822 051 20225	2M2 5% 0,1W
3204	4822 051 20225	2M2 5% 0,1W
3205	4822 051 20109	10Ω 5% 0,1W
3206	4822 051 20109	10Ω 5% 0,1W
3209	4822 051 20473	47K 5% 0,1W
3210	4822 051 20333	33K 5% 0,1W
3211	4822 051 20153	15K 5% 0,1W
3212	4822 051 20153	15K 5% 0,1W
3213	4822 051 20472	4K7 5% 0,1W
3214	4822 051 20333	33K 5% 0805
3215	4822 051 20681	680Ω 5% 0,1W
3216	4822 051 20333	33K 5% 0,1W
3217	4822 051 20153	15K 5% 0,1W
3218	4822 051 20471	470Ω 5% 0,1W
3219	4822 051 20479	47Ω 5% 0,1W
3220	4822 051 20332	3K3 5% 0,1W
3250	4822 051 20222	2K2 5% 0,1W
3251	4822 100 11319	4K7
3252	4822 051 20109	10Ω 5% 0,1W
3253	4822 051 20222	2K2 5% 0,1W
3254	4822 100 11319	4K7
3255	4822 051 20103	10K 5% 0,1W
3256	4822 051 20472	4K7 5% 0805
3257	4822 051 20472	4K7 5% 0805
3258	4822 051 20103	10K 5% 0,1W
3259	4822 051 20105	1M 5% 0,1W
3260	4822 051 20105	1M 5% 0,1W
3270	4822 051 20152	1K5 5% 0,1W
3271	4822 051 20152	1K5 5% 0,1W
3272	4822 051 20332	3K3 5% 0,1W
3273	4822 051 20332	3K3 5% 0,1W
3274	4822 051 20102	1K 5% 0805
3280	4822 051 20569	56Ω 5% 0805
3281	4822 051 20569	56Ω 5% 0805
3282	4822 051 20102	1K 5% 0805
3283	4822 051 20103	10K 5% 0805
3284	4822 051 20103	10K 5% 0805
3285	4822 051 20224	220K 5% 0805
3361	4822 051 20683	68K 5% 0,1W
3362	4822 051 20683	68K 5% 0,1W
3363	4822 051 20223	22K 5% 0,1W

3364	4822 051 20103	10K 5% 0,1W
3365	4822 051 20334	330K 5% 0,1W
3366	4822 051 20103	10K 5% 0,1W
3367	4822 051 20103	10K 5% 0,1W
3368	4822 051 20334	330K 5% 0,1W
3369	4822 051 20223	22K 5% 0,1W
3370	4822 051 20223	22K 5% 0,1W
3371	4822 051 20223	22K 5% 0,1W
3372	4822 051 20223	22K 5% 0,1W
3375	4822 051 20339	33Ω 5% 0,1W
3376	4822 051 20109	10Ω 5% 0,1W
3379	4822 051 20153	15K 5% 0,1W
3380	4822 051 20472	4K7 5% 0,1W
3381	4822 051 20472	4K7 5% 0,1W
3382	4822 051 20103	10K 5% 0,1W
3383	4822 051 20103	10K 5% 0,1W
3384	4822 051 20102	1K 5% 0805
3385	4822 051 20102	1K 5% 0805
3386	4822 051 20222	2K2 5% 0805
3387	4822 051 20222	2K2 5% 0805
3450	4822 051 20008	JUMPER OΩO5
3452	4822 051 20153	15K 5% 0,1W
3453	4822 051 20153	15K 5% 0,1W
3454	4822 051 20153	15K 5% 0,1W
3455	4822 051 20103	10K 5% 0,1W
3467	4822 051 20102	1K 5% 0,1W
3468	4822 051 20102	1K 5% 0,1W
3469	4822 051 20472	4K7 5% 0,1W
3470	4822 051 20153	15K 5% 0805
3471	4822 051 20103	10K 5% 0,1W
3472	4822 051 20153	15K 5% 0,1W
3473	4822 051 20153	15K 5% 0,1W
3474	4822 051 20472	4K7 5% 0,1W
3475	4822 051 20102	1K 5% 0,1W
3476	4822 051 20103	10K 5% 0,1W
3477	4822 051 20153	15K 5% 0,1W
3478	4822 051 20153	15K 5% 0,1W
3479	4822 051 20153	15K 5% 0,1W
3480	4822 051 20103	10K 5% 0,1W
3481	4822 051 20103	10K 5% 0,1W
3482	4822 051 20103	10K 5% 0,1W
3483	4822 051 20102	1K 5% 0,1W
3484	4822 051 20153	15K 5% 0,1W
3485	4822 051 20153	15K 5% 0,1W
3486	4822 051 20103	10K 5% 0,1W
3487	4822 051 20153	15K 5% 0,1W
3488	4822 051 20103	10K 5% 0,1W
3489	4822 051 20103	10K 5% 0,1W
3490	4822 051 20103	10K 5% 0,1W
3492	4822 051 20153	15K 5% 0,1W
3493	4822 051 20153	15K 5% 0,1W
3494	4822 051 20103	10K 5% 0,1W
3495	4822 051 20153	15K 5% 0,1W
3496	4822 051 20153	15K 5% 0,1W
3497	4822 051 20153	15K 5% 0,1W
3498	4822 051 20102	1K 5% 0,1W
3499	4822 051 20103	10K 5% 0,1W
3500	4822 051 20103	10K 5% 0,1W
3501	4822 051 20103	10K 5% 0,1W

3502	4822 051 20103	10K 5% 0,1W
3503	4822 051 20103	10K 5% 0,1W
3504	4822 051 20103	10K 5% 0,1W
3505	4822 051 20104	100K 5% 0,1W
3506	4822 051 20683	68K 5% 0,1W
3507	4822 051 20223	22K 5% 0,1W
3508	4822 051 20334	330K 5% 0,1W
3509	4822 051 20153	15K 5% 0,1W
3510	4822 051 20153	15K 5% 0,1W
3513	4822 051 20153	15K 5% 0,1W
3514	4822 051 20104	100K 5% 0,1W
3515	4822 051 20104	100K 5% 0,1W
3516	4822 051 20223	22K 5% 0,1W
3517	4822 051 20153	15K 5% 0,1W
3518	4822 051 20153	15K 5% 0,1W
3519	4822 051 10008	0Ω 5% 0,25W
3520	4822 051 10008	0Ω 5% 0,25W
3522	4822 051 20104	100K 5% 0,1W
3523	4822 051 20103	10K 5% 0,1W
3524	4822 051 20103	10K 5% 0,1W
3526	4822 051 10008	0Ω 5% 0,25W
3529	4822 051 10008	0Ω 5% 0,25W
3530	4822 051 20103	10K 5% 0,1W
3531	4822 051 20103	10K 5% 0,1W
3532	4822 051 20153	15K 5% 0,1W
3533	4822 051 20153	15K 5% 0,1W
3534	4822 051 20153	15K 5% 0,1W
3540	4822 051 20153	15K 5% 0,1W
3541	4822 051 20153	15K 5% 0,1W
3542	4822 051 20102	1K 5% 0,1W
3543	4822 051 20102	1K 5% 0,1W
3545	4822 051 10008	0Ω 5% 0,25W
3546	4822 051 10008	0Ω 5% 0,25W
3547	4822 051 20153	15K 5% 0,1W
3550	4822 051 20104	100K 5% 0805
3551	4822 051 20104	100K 5% 0805
3552	4822 051 20104	100K 5% 0805
3553	4822 051 20104	100K 5% 0805
3554	4822 051 20104	100K 5% 0805
3555	4822 051 20104	100K 5% 0805
3556	4822 051 20104	100K 5% 0805
3557	4822 051 20104	100K 5% 0805
3558	4822 051 20104	100K 5% 0805
3559	4822 051 20104	100K 5% 0805
3560	4822 051 20472	4K7 5% 0,1W
3562	4822 051 20472	4K7 5% 0,1W
3575	4822 051 20103	10K 5% 0,1W
3576	4822 051 20333	33K 5% 0,1W
3650	4822 051 20109	10Ω 5% 0,1W
3651	4822 051 20102	1K 5% 0,1W
3652	4822 116 52215	220Ω 5% 0,5W
3653	4822 116 52215	220Ω 5% 0,5W
3654	4822 116 52215	220Ω 5% 0,5W
3655	4822 050 24701	470Ω 1% 0,6W
3656	4822 116 52215	220Ω 5% 0,5W
3657	4822 116 52215	220Ω 5% 0,5W
3658	4822 116 52215	220Ω 5% 0,5W
3659	4822 050 23301	330Ω 1% 0,6W
3660	4822 050 24701	470Ω 1% 0,6W

3661	4822 050 15601	560Ω 1% 0,4W
3663	4822 050 21502	1K5 1% 0,6W
3664	4822 050 24701	470Ω 5% R25J
3665	4822 116 52215	220Ω 5% 0,5W
3666	4822 116 52215	220Ω 5% 0,5W
3667	4822 116 52252	180K 5% 0,5W
3668	4822 053 11109	10Ω 5% 2W
3670	4822 051 20222	2K20 5% 0,1W
3671	4822 051 20103	10K 5% 0,1W
3672	4822 051 20104	100K 5% 0,1W
3673	4822 116 40219	PTH59F04BH471TS
3674	4822 050 24703	47K 5% R25J
3676	4822 116 40221	8Ω2 20%
3677	4822 116 52234	100K 5% R25J
3679	4822 116 52271	33K 5% 0,5W
3680	4822 051 20103	10K 5% 0,1W
3750	4822 051 20102	1K 5% 0,1W
3751	4822 051 20104	100K 5% 0,1W
3752	4822 051 20104	100K 5% 0,1W
3753	4822 051 20153	15K 5% 0,1W
3754	4822 051 20153	15K 5% 0,1W
3756	4822 051 20103	10K 5% 0,1W
3757	4822 051 20103	10K 5% 0805
3758	4822 051 20103	10K 5% 0805
3759	4822 051 20103	10K 5% 0805
3760	4822 051 20103	10K 5% 0805
3761	4822 051 20103	10K 5% 0805

5050	4822 152 20677	10µH 10%
5051	4822 152 20677	10µH 10%
5052	4822 157 52007	4.7µH 10%
5053	4822 152 20678	33µH
5054	4822 157 50975	1 mH
5055	4822 152 20682	6.15µH 6%
5056	4822 152 20678	33µH
5057	4822 152 20683	28µH 2.52MHz
5058	4822 152 20679	68µH 10%
5070	4822 242 72076	10T77BB(10,7MHZ)
5071	4822 242 72076	10T77BB(10,7MHZ)
5072	4822 242 71883	SFE10,7MS318-D
5073	4822 242 71883	SFE10,7MS318-D
5100	4822 242 80258	SFE10.7MS2A-TF20
5150	4822 156 11081	1,47µH 10,7MHZ
5160	4822 157 51503	560µH10%
5161	4822 157 50975	1 MHz
5170	4822 242 71874	4MHz
5450	4822 242 72527	CST4,00MGW-TF01
5451	4822 242 72527	CST4,00MGW-TF01
5452	4822 242 80259	LN-G8-311(TPR11)
5453	4822 242 80259	LN-G8-311(TPR11)
5454	4822 242 72527	CST4,00MGW-TF01
5751	4822 157 50975	1 mH
5751	4822 157 50975	1000µH 10%
5755	4822 157 53669	COIL FILTER CU15B2

6012	5322 130 31928	BAS16
6013	5322 130 31928	BAS16

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6014	4822 130 80125	BZX84-C5V6
6015	5322 130 41983	BC858B
6016	4822 130 80125	BZX84-C5V6
6017	5322 130 41983	BC858B
6051	4822 130 82596	BB419
6100	5322 130 31928	BAS16
6200	5322 130 31928	BAS16
6201	5322 130 31928	BAS16
6351	5322 130 31928	BAS16
6450	5322 130 31937	BZX84-C4V7
6452	5322 130 31928	BAS16
6454	4822 130 80968	RD4.7JSB1
6457	5322 130 31928	BAS16
6458	5322 130 31928	BAS16
6750	5322 130 30684	1N4002
6751	5322 130 30684	1N4002
6752	5322 130 31937	BZX84-C4V7
6754	5322 130 30684	1N4002
6755	4822 130 82595	TLHO4400AS12Z
6755	5322 130 30684	1N4002
6756	4822 130 82595	TLHO4400AS12Z
6756	5322 130 34459	1N5059
6757	4822 130 82595	TLHO4400AS12Z
6758	4822 130 82595	TLHO4400AS12Z
6759	4822 130 82595	TLHO4400AS12Z
6760	4822 130 82595	TLHO4400AS12Z
6761	4822 130 82595	TLHO4400AS12Z
6762	4822 130 82595	TLHO4400AS12Z
6763	4822 130 82595	TLHO4400AS12Z
6764	4822 130 82595	TLHO4400AS12Z
6765	4822 130 82595	TLHO4400AS12Z
6766	4822 130 82595	TLHO4400AS12Z
6767	4822 130 82604	TLPO 5600
6768	4822 130 82604	TLPO 5600
6769	4822 130 82595	TLHO4400AS12Z
6770	4822 130 82595	TLHO4400AS12Z
6771	4822 130 82595	TLHO4400AS12Z
6772	4822 130 82595	TLHO4400AS12Z
6773	4822 130 82595	TLHO4400AS12Z
6774	4822 130 82595	TLHO4400AS12Z
6775	4822 130 82595	TLHO4400AS12Z
6776	4822 130 82595	TLHO4400AS12Z
6777	4822 130 82595	TLHO4400AS12Z
6778	4822 130 82595	TLHO4400AS12Z
6779	4822 130 82595	TLHO4400AS12Z
6780	4822 130 82595	TLHO4400AS12Z
6781	4822 130 82595	TLHO4400AS12Z
6782	4822 130 82595	TLHO4400AS12Z
6783	4822 130 82595	TLHO4400AS12Z
6784	4822 130 82595	TLHO4400AS12Z
6785	4822 130 82595	TLHO4400AS12Z
6786	4822 130 82595	TLHO4400AS12Z
6787	4822 130 82465	1.5KE27P
6787	4822 130 82595	TLHO4400AS12Z
6788	4822 130 82595	TLHO4400AS12Z
6788	4822 252 60125	SURGE PROTECTOR

7050	4822 209 72247	TEA6200/V2
7150	4822 209 73507	TEA6100/N3
7151	4822 209 61954	TSA6057/C7
7200	5322 130 41983	BC858B
7201	5322 130 41983	BC858B
7203	4822 130 60511	BC847B
7350	4822 209 63906	SA571N
7450	4822 900 10368	CONTROL OTP
7451	4822 900 10365	TUN OTP
7452	4822 900 10271	MAIN
7453	4822 900 10267	SEC CODE
7454	4822 900 10364	INT OTP
7455	4822 209 31138	PCF80C51BH-3P/J306
7456	4822 209 83159	LA2000
7457	4822 900 10265	RDS MEMORY
7458	4822 900 10372	COMMUNICATION OTP
7459	4822 130 60511	BC847B
7460	5322 130 41982	BC848B
7461	5322 130 41983	BC858B
7462	5322 209 11578	PCF8574T
7464	5322 209 11129	PCF8576T PHIN
7465	5322 209 11129	PCF8576T PHIN
7483	5322 209 11578	PCF8574T
7484	5322 209 11578	PCF8574T
7485	5322 209 11578	PCF8574T
7552	4822 209 72892	TEA6310T/V5
7553	4822 209 10263	HEF4052BP
7650	4822 209 31328	IC FL26263 (TDA7374V
7651	4822 209 31328	IC FL26263 (TDA7374V
7652	4822 130 40854	BC327
7652	5322 209 14542	HEF4066BT
7654	5322 130 41982	BC848B
7655	5322 130 44864	BC517
7656	5322 130 41982	BC848B
7657	5322 130 41982	BC848B
7658	5322 130 44864	BC517
7660	5322 130 44864	BC517
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7750	5322 209 60749	LM2931Z-5.0
7751	5322 130 41982	BC848B
7752	5322 130 41983	BC858B
7753	4822 130 62651	ON4414
7754	4822 209 30016	L4901A
7755	4822 209 72227	L4916
7756	4822 209 63938	L4918
7757	5322 130 61677	BC875
7760	5322 130 41983	BC858B
7761	4822 130 60511	BC847B

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